

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 39701067

For: Mobile Pipe Wrappers & Coaters, Inc.
Facility: Mobile Pipe Wrappers & Coaters, Inc.

Issued Pursuant to MDAQMD Regulation XII
Effective Date:
February 27, 2002

This Federal Operating Permit Expires on:
February 27, 2007

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I INTRODUCTORY INFORMATION

A. Facility Identifying Information:

<u>Owner/Company Name:</u>	Mobile Pipe Wrappers & Coaters, Inc.
<u>Owner Mailing Address:</u>	Mobile Pipe Wrappers & Coaters, Inc. 12766 Violet Road Adelanto, California 92301
<u>Facility Name:</u>	Mobile Pipe Wrappers & Coaters, Inc.
<u>Facility Location:</u>	12766 Violet Road Adelanto, California 92301
<u>Mailing Address:</u>	12766 Violet Road Adelanto, California 92301
<u>MDAQMD Federal Operating Permit Number:</u>	39701067
<u>MDAQMD Company Number:</u>	0397
<u>MDAQMD Facility Number:</u>	01067
<u>Responsible Official:</u>	George Stoddard
<u>Title:</u>	President
<u>Phone Number:</u>	
<u>Facility “Site” Contacts:</u>	George Stoddard
<u>Phone Number:</u>	760-246-4707
<u>Facility “Off Site” Contacts:</u>	None Provided
<u>Phone Number:</u>	
<u>Nature of Business:</u>	Cleaning and Coating of Steel Pipes
<u>SIC Code:</u>	3479 Coating/Cleaning Pipe Operations
<u>Facility Location:</u>	UTM (km) 3823 N / 462 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 39701067) is for Mobile Pipe Wrappers & Coaters, Inc., MOBILE PIPE WRAPPERS & COATERS, INC. located at 12766 Violet Road, in Adelanto, California). MOBILE PIPE WRAPPERS & COATERS, INC. is a Coater and Wrapper of Steel Pipes. The basic processes of the facility are the cleaning, coating and wrapping of steel pipes of a broad spectrum of sizes. This facility uses support processes to achieve the foregoing, which are described as abrasive blasting, high pressure scrubber, hot enamel tanks and coal tar coat and wrap machines. Emitting equipment at the facility includes abrasive blasting equipment served by baghouses, and the tanks with the hot enamel and coal tar, which are vented to the high pressure scrubber.

C. EQUIPMENT DESCRIPTION:

AA. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B002427; PIPE CLEANING AND APPLICATION LINE:

One abrasive blast/shot cleaning machine.

One primer reservoir assembly, and adjustable double squeegee system.

BB. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C002428; DUST COLLECTOR SYSTEM; Model No. CPJ-44-DC, venting the Abrasive Blast Cleaning Machine:

Manufacturer: Center Line Equipment

Model No.: CPJ-44-DC

Number of Bags: 1

Type of Cloth: Resin Impregnated Cellulose Fibers

A/C Ratio: 1.4:10

Horsepower: 10

CC. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B002429; PIPE COATING AND WRAPPING LINE:

One CL-MPHT-5000 Hot Enamel Holding Tank.

One CL-MPCM-36 Coal Tar Coat & Wrap Machine.

- DD. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C002430; HIGH PRESSURE WATER SCRUBBER SYSTEM; Model No. CL-MPSC-60, venting the Coating and Wrapping Machine:
3,500 gallons water reservoir, Fog Nozzles.
220 GPM Marlow water pump, model 37-Hei-110 with 7" impeller powered by a 15 hp electric motor.
34" tube axle fans powered by one 5 hp electric motor each:
- EE. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B004195; PIPE CLEANING AND WRAPPING LINE:
Pipe moving equipment (rails), blast machine, dust collector, primer station, tape section, fuse oven (electric), water quench, and the electric motors to drive this movement.
- FF. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C004196; BAGHOUSE SYSTEM:
Wheelabrator with 9 oz polyester bags whose collection efficiency is less than or equal to 96% for particles whose mean aerodynamic diameter is 1.0 micron. The blower is 7 1/2 hp and moves 3,430 ft³/min at ambient conditions:
- GG. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number B007998; CONCRETE BATCH PLANT FOR CEMENT MORTAR LINING MACHINE:
CONCRETE BATCH PLANT FOR CEMENT MORTAR LINING MACHINE -
Consisting of the following equipment:
- | <u>Capacity</u> | <u>Description</u> |
|-----------------|--|
| 5.0 | Cement mortar mixer |
| 3.0 | Drive motor |
| 10.0 | Pump motor |
| | Sand hopper, w/ 30,000 lb scale |
| | Cement silo, 70,000 lb capacity, w/bin vent dust collector |
| 5.0 | 24" x 24' belt conveyor |
| 75.0 | Pipe spinner |
| 30.0 | 20" blower, for water removal |

CONTROL EQUIPMENT DESCRIPTION:

Bin vent dust control

- HH. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number S002431 (Open Spray Station for Pipe Sections):
- 1 - Graco, President Series - 92G, Airless Gun,
 - 1 - Graco, President Series - 160, Airless Gun
 - 1 - Graco, King Series - KIG, Airless Gun
 - 1 - Devilbiss, Air Atomized Gun, Serial #344017
 - 1 - Devilbiss, Air Atomized Tip Gun, Serial #5283
- I I. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers: A002432, A002433, A002434, A002435 and A002436; OPEN ABRASIVE BLASTING SYSTEMS – Numbers 1 through 5:
MDAQMD Permit Number S002431, which consists of the following: 1-Graco, President Series 92 Airless Gun; 1-Graco, President Series 160 Airless Gun; 1-Graco King Series, KIG Airless Gun; 1-Devilbiss, Air Atomized Gun, Serial Number 344017; and 1-Devilbiss, Air Atomized Gun, Serial Number 5283.
- 1. Open Abrasive Blasting System, Number 1
 - a. MDAQMD Permit Number A002432, which consists of 1-Kelco Abrasive Blasting Machine, model K1258 with 900 lb capacity, Serial Number 12548.
 - 2. Open Abrasive Blasting System, Number 2
 - a. MDAQMD Permit Number A002433, which consists of 1-Kelco Abrasive Blasting Pot, model K125 with 900 lb capacity, Serial Number 12544.
 - 3. Open Abrasive Blasting System, Number 5
 - a. MDAQMD Permit Number A002434, which consists of 1-Union Oil Abrasive Blasting Pot, with 1000 lb capacity, Serial Number 150.
 - 4. Open Abrasive Blasting System, Number 3
 - a. MDAQMD Permit Number A002435, which consists of 1-Kelco Abrasive Blasting Pot, model K130 with 1600 lb capacity, Serial Number 10884.
 - 5. Open Abrasive Blasting System, Number 4
 - a. MDAQMD Permit Number A002436, which consists of 1-Kelco Abrasive Blasting Pot,

Model K125 with 900 lb capacity, Serial Number 4983.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal nor exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements see applicable Part II and Part III conditions)
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

13. Owner/Operator is limited to use the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or ASTM method D 2880-71, or equivalent.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR

52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
- [Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm, on a volume per volume basis.
- [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)
- [Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm, on a volume per volume basis, measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
- (a) The provisions of this condition shall not apply to emissions from internal combustion engines.
- [Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
- [Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)
22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.
- [**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically

reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

- (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
- (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.

(d) Cold Solvent Degreasers - Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

- (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:

- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

- (viii) Except for sealed chamber degreasers, all solvent agitation shall be either by a pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall,

on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

- (3) Documentation shall be maintained on site, for a minimum of five (5) years, of the disposal or on site recycling of any waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400

Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

27. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>	<u>Baked</u>
	gr/L (lb/gal)	gr/L (lb/gal)

General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

29. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:
- (a) A facility, which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.

- (b) Total non-compliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
30. Owner/Operator of any facility classified as exempt or claiming to be exempt, under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
31. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
- (a) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (b) VOC-containing materials has an initial boiling point of 190° C (374° F) or greater; or
 - (c) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20° C (68° F).
 - (d) Owner/Operator shall use closed, non-absorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
 - (e) Owner/Operator shall store fresh or spent solvent in closed containers.
 - (f) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40

CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

33. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
34. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use, which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
 - (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
35. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirement*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
36. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40

CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)

37. A violation of the limits contained in Part II, Conditions A.26 through A.39 as determined by any one of Part II, Conditions 38 and 39 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1114:
- (a) Samples of coatings and solvent as specified in Part II, Conditions A.26 through A.39 shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
 - (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.39 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
 - (c) Transfer efficiency as required by Part II, Conditions A.26 through A.39 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
 - (d) Overall abatement efficiency is the products of capture efficiency as determined by procedures described in 55 FR 26865, 29 June, 1990, and abatement device efficiency.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)
39. The following specified *Reference Method Tests* shall be used to determine compliance with

the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1115:

- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
- (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
- (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
- (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
- (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
- (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
- (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.

- (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

40. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, state, or federal personnel on request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
- (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

5. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon

the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]
7. Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
8. Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD, shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]

9. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
10. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
11. Owner/Operator shall submit *Compliance Certifications* to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the permit anniversary date.
[Rule 1203 (F)(1)]
12. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5 year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
 - (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance*

shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

[**SIP Pending: Rule 430** - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

13. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
14. Owner/Operator shall keep records for a minimum of five (5) years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Any records, data or logs shall be supplied to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
15. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
16. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
17. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]
18. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than January 31 and July 31 of any given year, shall be

certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:

- (a) Summary of deviations from any federally-enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

[Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]

19. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.

[Rule 1203 (D)(1)(e)(ii)]

[**SIP Pending: Rule 430 - Breakdown Provisions** as amended 12/21/94 and submitted 02/24/95]

20. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

**THE FOLLOWING DISTRICT RULES GENERALLY APPLY TO THE
FOLLOWING FACILITY EQUIPMENT AND PROCESSES; A to I:**

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

**A. Equipment Specific Monitoring, Record-keeping, Reporting and Testing
Requirements Applicable to MDAQMD Permit Numbers B002427; PIPE
CLEANING AND APPLICATION LINE:**

One abrasive blast/shot cleaning machine.

One primer reservoir assembly, and adjustable double squeegee system.

1. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002428.
2. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations and/or sound engineering principles.
3. The applicant shall comply with all applicable Rules and Regulations of the District, with particular attention to Regulation IV.

B. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C002428; DUST COLLECTOR SYSTEM; Model No. CPJ-44-DC, venting the Abrasive Blast Cleaning Machine:

Manufacturer: Center Line Equipment
Model No.: CPJ-44-DC
Number of Bags: 1
Type of Cloth: Resin Impregnated Cellulose Fibers
A/C Ratio: 1.4:10
Horsepower: 10

1. The dust collector shall only be operated and maintained in strict accord with the manufacturer's and/or supplier's recommendations and/or sound engineering principles.
2. The owner/operator shall have on-site at all times, a minimum of one spare filter.
3. The applicant shall comply with all applicable Rules and Regulations of this District.

C. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B002429; PIPE COATING AND WRAPPING LINE:

One CL-MPHT-5000 Hot Enamel Holding Tank.
One CL-MPCM-36 Coal Tar Coat & Wrap Machine.

1. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002430.
2. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations and/or sound engineering principles.
3. The applicant shall comply with all applicable Rules and Regulations of the District.

D. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C002430; HIGH PRESSURE WATER SCRUBBER SYSTEM; Model No. CL-MPSC-60, venting the

Coating and Wrapping Machine:

3,500 gallons water reservoir, Fog Nozzles.

220 GPM Marlow water pump, model 37-Hei-110 with 7" impeller powered by a 15 hp electric motor.

34" tube axle fans powered by one 5 hp electric motor each:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
2. The applicant shall comply with all applicable Rules and Regulations of this District.
3. The water flow to this scrubber shall be equal to or greater than 3.2 gallons per minute at 60 psig.
4. This equipment shall be operated when the Pipe Coating and Wrap Line (B002429) is operating.
5. A maintenance log shall be maintained on-site, and made available to District personnel on request. This log shall contain date maintenance was performed, routing or breakdown, type of repair required, and time required to make repairs.

E. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B004195; PIPE CLEANING AND WRAPPING LINE:

Pipe moving equipment (rails), blast machine, dust collector, primer station, tape section, fuse oven (electric), water quench, and the electric motors to drive this movement.

1. This equipment shall not be operated unless vented to baghouse operating under District permit No. C004196.
2. This equipment shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
3. The owner/operator shall log all on a daily basis, the use of POLYKEN 1029, which contains 1,1,1-trichloroethane for the entire facility.
4. The owner/operator is limited to using 110 lb of POLYKEN 1029 per day for the entire

facility.

F. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers C004196; BAGHOUSE SYSTEM:

Wheelabrator with 9 oz polyester bags whose collection efficiency is less than or equal to 96% for particles whose mean aerodynamic diameter is 1.0 micron. The blower is 7 1/2 hp and moves 3,430 ft³/min at ambient conditions:

1. The owner/operator shall install, operate, and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
2. The owner/operator shall institute a program of maintenance that embraces at least: visible emission determinations, visual inspections of all associated equipment (inclusive of the bags and their suspensions system) and regular measurements of the pressure differential across the bags. All of these determinations will be made with experience with this unit, but no less than monthly for the first year of operation.
3. The owner/operator shall log all the items in 2 above, keep the log current, on-site for a minimum of five (5) years and provide it to District personnel on request.
4. The owner/operator shall maintain an inventory of the required bags for replacement on-site at all times which will ensure compliance with District Rules.
5. The owner/operator shall install and maintain a device that measures the pressure differential across the bags if one is not provided with the unit.
6. This baghouse shall operate concurrently with equipment described in District permit No. B004195.

G. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number B007998; CONCRETE BATCH PLANT FOR CEMENT MORTAR LINING MACHINE:

EQUIPMENT DESCRIPTION:

CONCRETE BATCH PLANT FOR CEMENT MORTAR LINING MACHINE -
Consisting of the following equipment:

<u>Capacity</u>	<u>Description</u>
5.0	Cement mortar mixer
3.0	Drive motor
10.0	Pump motor
	Sand hopper, w/ 30,000 lb scale
	Cement silo, 70,000 lb capacity, w/bin vent dust collector
5.0	24" x 24' belt conveyor
75.0	Pipe spinner
30.0	20" blower, for water removal

CONTROL EQUIPMENT DESCRIPTION:
Bin vent dust control

1. Materials processed shall contain sufficient natural and/or added moisture to ensure compliance with District rules, such as, but not limited to, 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition AND used as necessary to ensure compliance.
2. The bin vents shall be operated and maintained to ensure compliance with those Rules stated in Condition 1 above.
3. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

H. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number S002431 (Open Spray Station for Pipe Sections):

- 1 - Graco, President Series - 92G, Airless Gun,
 - 1 - Graco, President Series - 160, Airless Gun
 - 1 - Graco, King Series - KIG, Airless Gun
 - 1 - Devilbiss, Air Atomized Gun, Serial #344017
 - 1 - Devilbiss, Air Atomized Tip Gun, Serial #5283
1. The total quantity or reactive organic gases emitted from the use of coating and solvents at this facility shall not exceed 250 pounds per day.

2. The owner/operator is allowed to coat metal parts with an air-atomized spray tip gun when coating internal and inset surfaces of pipes.
3. An operation log shall be maintained on-site, and made available to the District personnel on request. This log shall contain as a minimum, the hours of operation, the amount of coating and solvents used (in gallons) and the amount of pipe coated.
4. The owner/operator shall comply with all applicable Rules and Regulation of this District.
5. The equipment shall be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.

I. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers; A002432, A002433, A002434, A002435 and A002436; OPEN ABRASIVE BLASTING SYSTEMS – Numbers 1 through 5:

MDAQMD Permit Number S002431, which consists of the following: 1-Graco, President Series 92 Airless Gun; 1-Graco, President Series 160 Airless Gun; 1-Graco King Series, KIG Airless Gun; 1-Devilbiss, Air Atomized Gun, Serial Number 344017; and 1-Devilbiss, Air Atomized Gun, Serial Number 5283.

1. Open Abrasive Blasting System, Number 1
 - a. MDAQMD Permit Number A002432, which consists of 1-Kelco Abrasive Blasting Machine, model K1258 with 900 lb capacity, Serial Number 12548.
2. Open Abrasive Blasting System, Number 2
 - a. MDAQMD Permit Number A002433, which consists of 1-Kelco Abrasive Blasting Pot, model K125 with 900 lb capacity, Serial Number 12544.
3. Open Abrasive Blasting System, Number 5
 - a. MDAQMD Permit Number A002434, which consists of 1-Union Oil Abrasive Blasting Pot, with 1000 lb capacity, Serial Number 150.
4. Open Abrasive Blasting System, Number 3
 - a. MDAQMD Permit Number A002435, which consists of 1-Kelco Abrasive Blasting Pot, model K130 with 1600 lb capacity, Serial Number 10884.

5. Open Abrasive Blasting System, Number 4
 - a. MDAQMD Permit Number A002436, which consists of 1-Kelco Abrasive Blasting Pot, Model K125 with 900 lb capacity, Serial Number 4983.

OPERATING CONDITIONS:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
2. The use of this equipment shall be scheduled in conjunction with other equipment in such a manner as not to exceed 250 lbs/day of Particulate Matter emission for the facility.
3. The applicant shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to, Regulation IV.
4. An operations log shall be maintained on-site, and made available to District personnel on request. This log shall contain, as a minimum, the hours of operation, size of pipe (diameter and length), and amount of pipe cleaned, coated, and wrapped.
5. The emissions from this operation shall be calculated each week. The day with the highest emissions for that week shall be included in the operations log.

PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction, the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. The Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. The Owner/Operator shall furnish to District, state or federal personnel on request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. The Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(i).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations that occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be

- construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414. [40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading, pursuant to provisions contained in an applicable State Implementation Plan. [40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit. [40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit. [40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart F]
21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible. [Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

Mobile Pipe Wrappers and Coaters, Inc. did not request any specific operating scenarios.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CBE	Conveyor Belt (abbreviation used by Mobile Pipe Wrappers & Coaters,
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
CSC	Screw Conveyor (abbreviation used by Mobile Pipe Wrappers & Coaters,
District	Mojave Desert Air Quality Management District (formed July 1993)
ELV	Elevator (abbreviation used by Mobile Pipe Wrappers & Coaters,
hp	horsepower
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
PM ₁₀	particulate matter less than 10 microns mean aerodynamic diameter
psia	pounds per square inch absolute
rpm	revolutions per minute

SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO ₂	sulfur dioxide

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 102 – *Definition of Terms*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 102 shall apply.
2. For the purposes of MDAQMD Rule 203 - *Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 203 shall apply.
3. For the purposes of MDAQMD Rule 204 - *Permit Conditions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 204 shall apply.
4. For the purposes of MDAQMD Rule 206 - *Posting of Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 206 shall apply.
5. For the purposes of MDAQMD Rule 207 - *Altering or Falsifying of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 207 shall apply.
6. For the purposes of MDAQMD Rule 209 - *Transfer and Voiding of Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 209 shall apply.
7. For the purposes of MDAQMD Rule 219 - *Equipment Not Requirement a Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 219 shall apply.
8. For the purposes of MDAQMD Rule 221 - *Federal Operating Permit Requirement*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 221 shall apply.
9. For the purposes of MDAQMD Rule 301 - *Permit Fees*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 301 shall apply.
10. For the purposes of MDAQMD Rule 312 - *Fees for Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 312 shall apply.
11. For the purposes of MDAQMD Rule 401 - *Visible Emissions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 401 shall apply.
12. For the purposes of MDAQMD Rule 402 - *Nuisance*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 402 shall apply.
13. For the purposes of MDAQMD Rule 403 - *Fugitive Dust*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403 shall apply.
14. For the purposes of MDAQMD Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*,

and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403.2 shall apply.

15. For the purposes of MDAQMD Rule 404 - *Particulate Matter - Concentration*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 404 shall apply.
16. For the purposes of MDAQMD Rule 405 - *Solid Particulate Matter - Weight*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 405 shall apply.
17. For the purposes of MDAQMD Rule 406 - *Specific Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 406 shall apply.
18. For the purposes of MDAQMD Rule 407 - *Liquid and Gaseous Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 407 shall apply.
19. For the purposes of MDAQMD Rule 408 - *Circumvention*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 408 shall apply.
20. For the purposes of MDAQMD Rule 409 - *Combustion Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 409 shall apply.
21. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.
22. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.
23. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.
24. For the purposes of MDAQMD Rule 442 - *Usage of Solvents*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 442 shall apply.
25. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.
26. For the purposes of MDAQMD Rule 462 - *Organic Liquid Loading*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 462 shall apply.
27. For the purposes of MDAQMD Rule 463 - *Storage of Organic Liquids*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 463 shall apply.
28. For the purposes of MDAQMD Rule 501 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 501 shall apply.
29. For the purposes of MDAQMD Rule 502 - *Filing Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 502 shall apply.

30. For the purposes of MDAQMD Rule 503 - *Contents of Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 503 shall apply.
31. For the purposes of MDAQMD Rule 504 - *Petitions for Variances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 504 shall apply.
32. For the purposes of MDAQMD Rule 505 - *Appeal from Denial*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 505 shall apply.
33. For the purposes of MDAQMD Rule 506 - *Failure to Comply with Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 506 shall apply.
34. For the purposes of MDAQMD Rule 507 - *Pleadings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 507 shall apply.
35. For the purposes of MDAQMD Rule 508 - *Dismissal of Petition*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 508 shall apply.
36. For the purposes of MDAQMD Rule 509 - *Place of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 509 shall apply.
37. For the purposes of MDAQMD Rule 510- *Notice of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 510 shall apply.
38. For the purposes of MDAQMD Rule 511 - *Evidence*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 511 shall apply.
39. For the purposes of MDAQMD Rule 512 - *Preliminary Matters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 512 shall apply.
40. For the purposes of MDAQMD Rule 513 - *Official Notice*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 513 shall apply.
41. For the purposes of MDAQMD Rule 514 - *Continuances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 514 shall apply.
42. For the purposes of MDAQMD Rule 515 - *Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 515 shall apply.
43. For the purposes of MDAQMD Rule 516 - *Effective Date of Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 516 shall apply.
44. For the purposes of MDAQMD Rule 517 - *Lack of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 517 shall apply.
45. For the purposes of MDAQMD Rule 518 - *Findings*, and its use in this Federal Operating Permit, the

definitions contained in MDAQMD Rule 518 shall apply.

46. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
47. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.
48. For the purposes of MDAQMD Rule 1114 - *Wood Products Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.
49. For the purposes of MDAQMD Rule 1115 - *Metal Parts & Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
50. For the purposes of MDAQMD Rule 1116 - *Automotive Refinishing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1116 shall apply.
51. For the purposes of MDAQMD Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1118 shall apply.
52. For the purposes of MDAQMD Rule 1157 - *Boilers and Process Heaters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1157 shall apply.
53. For the purposes of MDAQMD Rule 1159 - *Stationary Gas Turbines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1159 shall apply.
54. For the purposes of MDAQMD Rule 1160 - *Internal Combustion Engines*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1160 shall apply.
55. For the purposes of MDAQMD Rule 1200 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1200 shall apply.
56. For the purposes of MDAQMD Rule 1201 - *Definitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1201 shall apply.
57. For the purposes of MDAQMD Rule 1202 - *Applications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1202 shall apply.
58. For the purposes of MDAQMD Rule 1203 - *Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1203 shall apply.
59. For the purposes of MDAQMD Rule 1204 - *Reserved, "General Permits"*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1204 shall apply.
60. For the purposes of MDAQMD Rule 1205 - *Modifications of Federal Operation Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1205 shall apply.

61. For the purposes of MDAQMD Rule 1206 - *Reopening, Reissuance and Termination of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1206 shall apply.
62. For the purposes of MDAQMD Rule 1207 - *Notice and Comment*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1207 shall apply.
63. For the purposes of MDAQMD Rule 1208 - *Certification*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1208 shall apply.
64. For the purposes of MDAQMD Rule 1209 - *Appeals*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1209 shall apply.
65. For the purposes of MDAQMD Rule 1210 - *Acid Rain Provisions of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1210 shall apply.